

# SECONDARY TREATMENT & RWTF UPGRADE

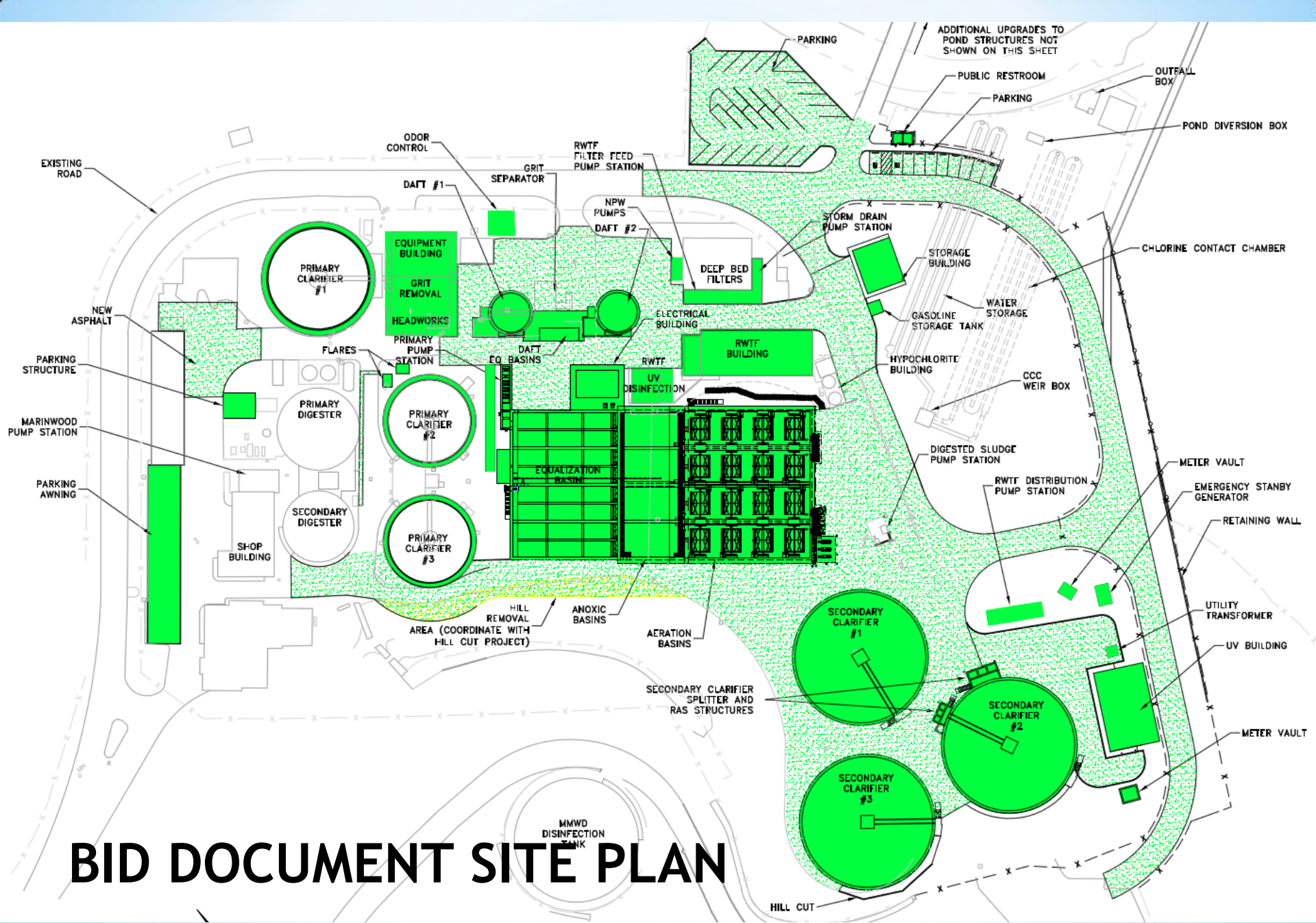


Board Meeting

Date: 3/28/2018



**EXISTING SITE PLAN**

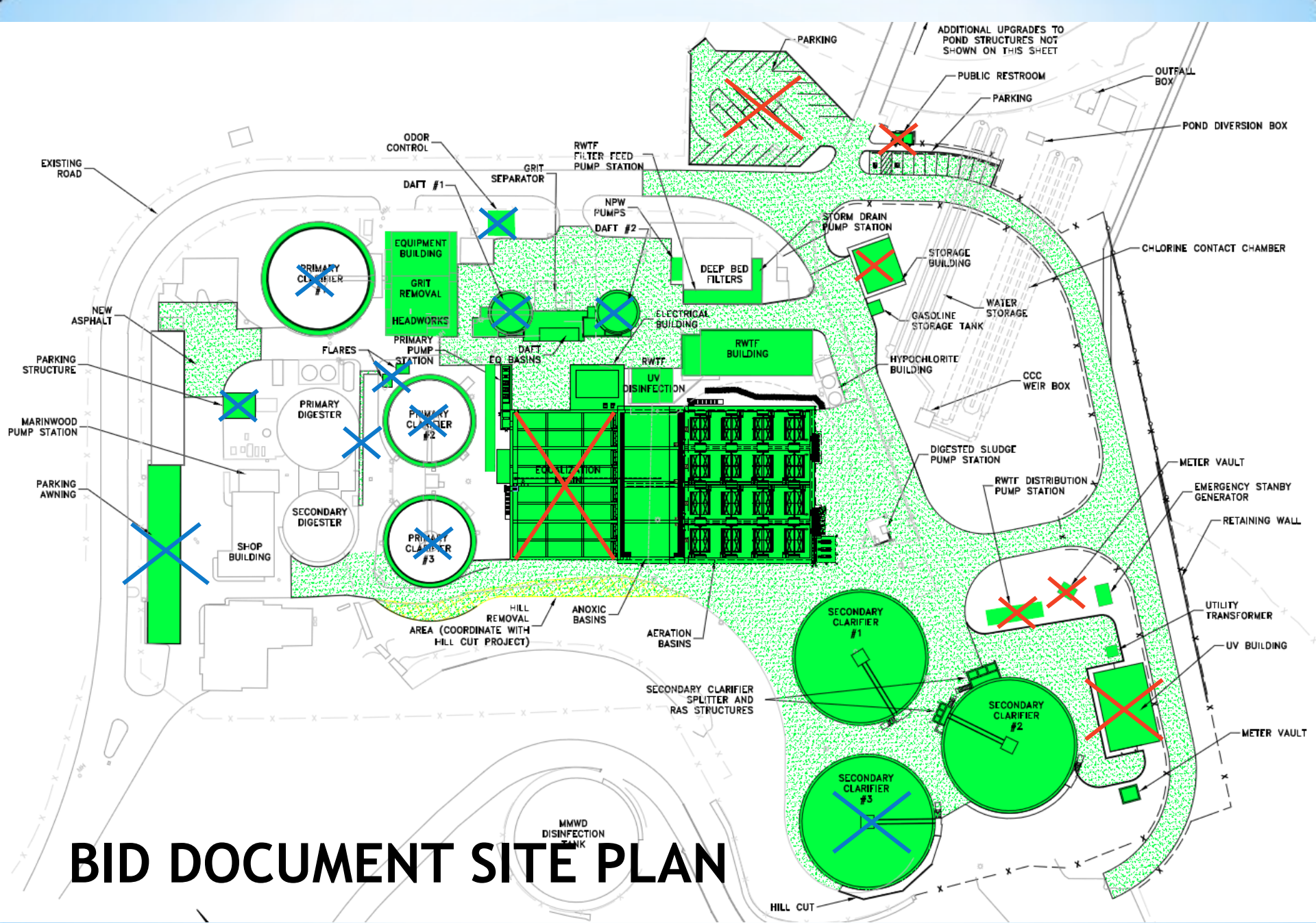


# Las Gallinas Valley Sanitary District Secondary Treatment & Recycle Water Treatment Facility Upgrade

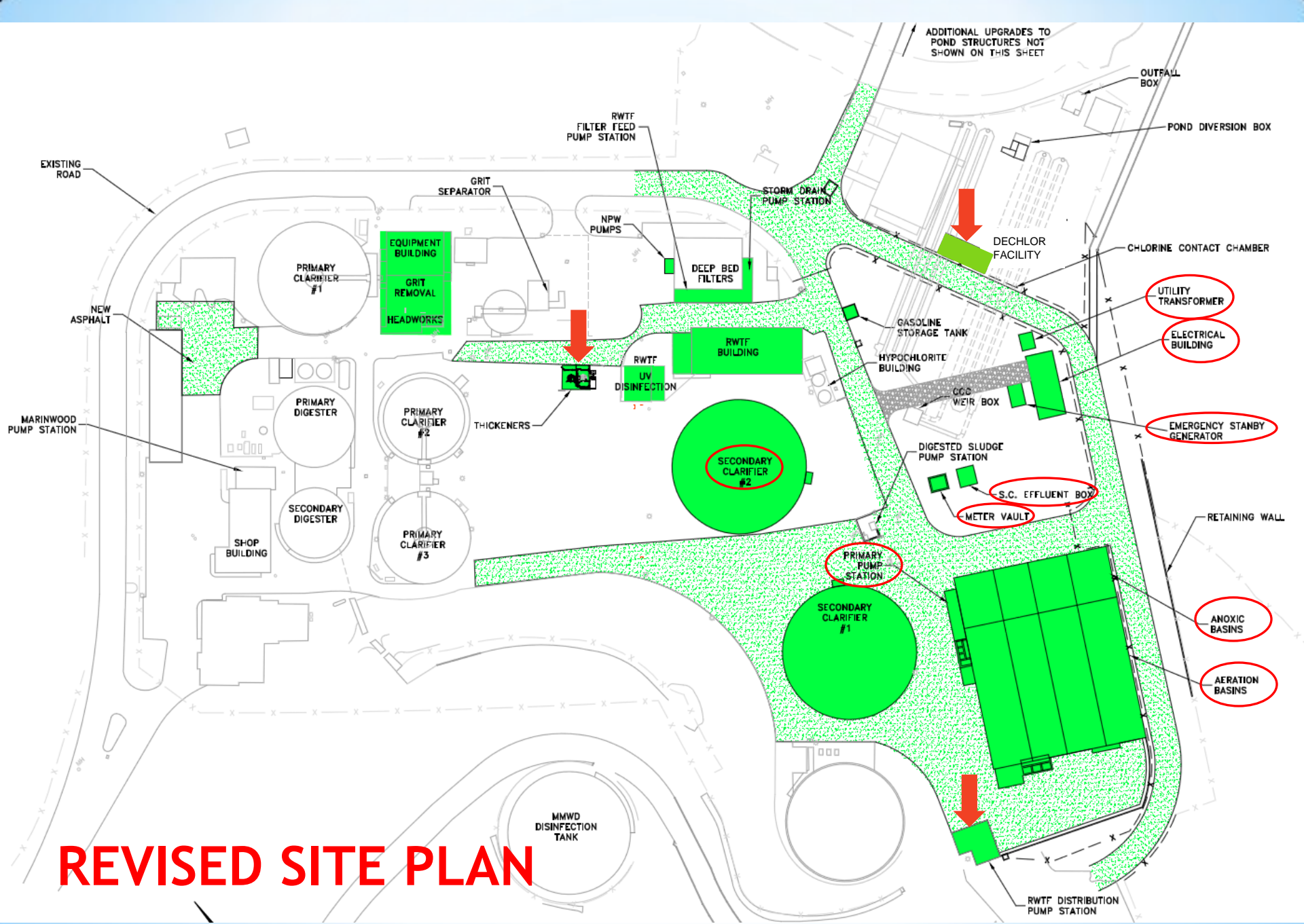
November 28, 2017 Bid Opening

	Flatiron West, Inc.	Kiewit
<b>Base Bid</b>	\$ 51,006,378.40	\$ 61,546,378.30
<b>Alternate/Additive Items</b>	\$ 6,952,000.00	\$ 6,841,000.00
<b>TOTAL</b>	\$ 57,958,378.40	\$ 68,387,378.30

- LGVSD Construction Budget = \$35M
- Bid Guarantee Extended to 120 days (March 28, 2018)
- Aqua Engineering directed to develop a \$5M-\$10M Cost Reduction Change Order/Scope of Work
- Option 1:
  - Award the Contract to Flatiron for \$51M, with the revised construction documents issued for a project credit negotiation
- Option 2
  - Do not award the November 28, 2017 project, and re-bid the revised construction documents as a new project



# BID DOCUMENT SITE PLAN



ADDITIONAL UPGRADES TO POND STRUCTURES NOT SHOWN ON THIS SHEET

# REVISED SITE PLAN

EXISTING ROAD

NEW ASPHALT

MARINWOOD PUMP STATION

RWTF FILTER FEED PUMP STATION

GRIT SEPARATOR

NPW PUMPS

STORM DRAIN PUMP STATION

PRIMARY CLARIFIER #1

PRIMARY DIGESTER

PRIMARY CLARIFIER #2

SECONDARY DIGESTER

PRIMARY CLARIFIER #3

SHOP BUILDING

THICKENERS

SECONDARY CLARIFIER #2

RWTF UV DISINFECTION

RWTF BUILDING

DEEP BED FILTERS

GASOLINE STORAGE TANK

HYPOCHLORITE BUILDING

GCC WEIR BOX

DIGESTED SLUDGE PUMP STATION

PRIMARY PUMP STATION

SECONDARY CLARIFIER #1

MMWD DISINFECTION TANK

OUTFALL BOX

POND DIVERSION BOX

DECHLOR FACILITY

CHLORINE CONTACT CHAMBER

UTILITY TRANSFORMER

ELECTRICAL BUILDING

EMERGENCY STANDBY GENERATOR

S.C. EFFLUENT BOX

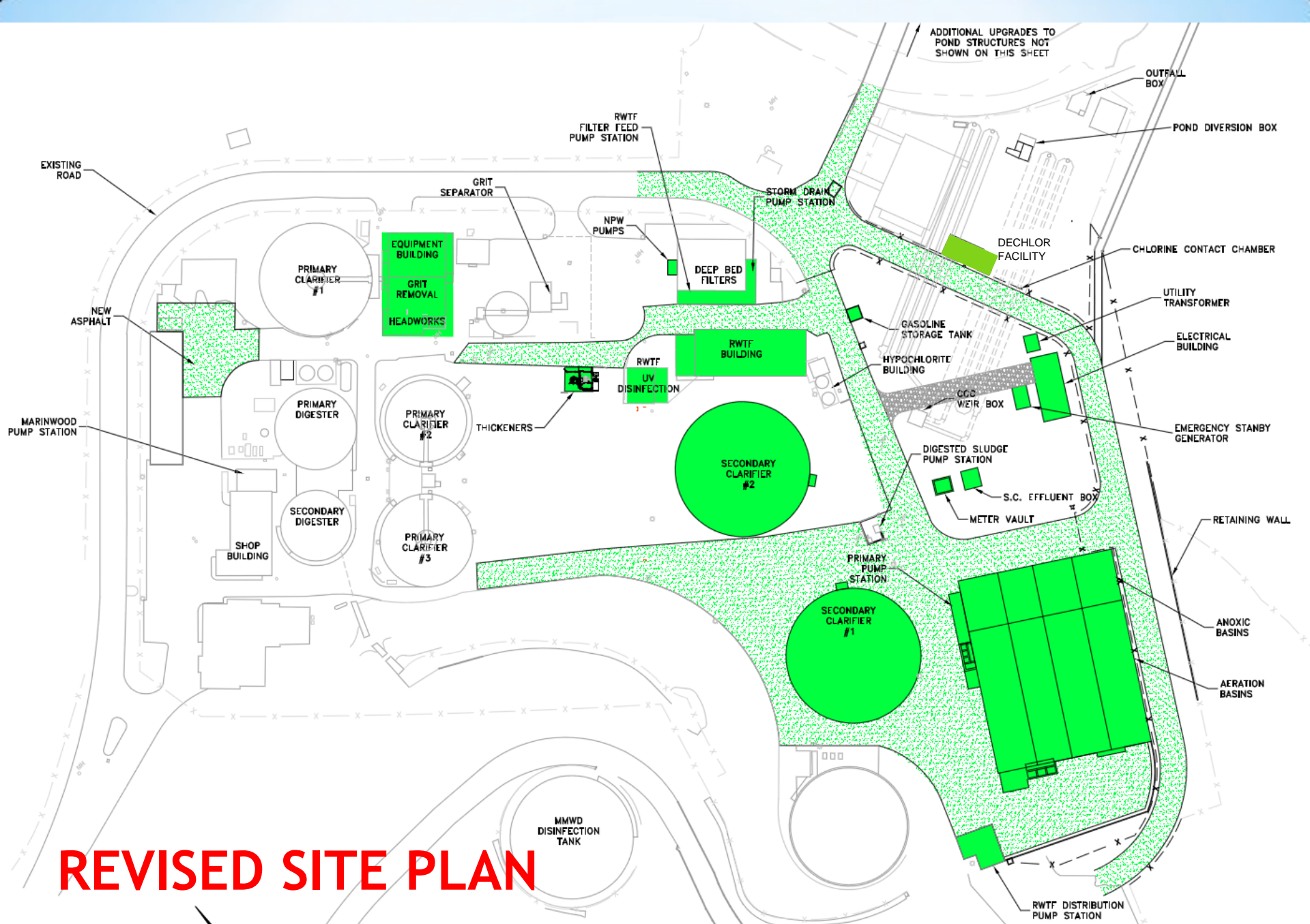
METER VAULT

RETAINING WALL

ANOXIC BASINS

AERATION BASINS

RWTF DISTRIBUTION PUMP STATION



# REVISED SITE PLAN

# Las Gallinas Valley Sanitary District Secondary Treatment & Recycle Water Treatment Facility Upgrade

## Option 1 – MWHC Addition & Deletion Cost Estimate

Flatiron West, Inc. (Negotiate Credit CO)	OPTION 1	Comments
<b>\$ 51,006,378</b>	Base Bid	Without Alternatives
<b>\$7,389,989 (direct labor &amp; material costs) to \$9,176,023 (with direct burden cost of material tax and labor burden)</b>	Credit Change Order	Flatiron is “already in the room”, and will most likely not be willing to fully credit back the approximately \$2-\$3M of OH&P on the “direct cost with burden” Their OH&P on the project is most likely already “set” based on their original \$51M bid.
<b>\$42 – 44M</b>	Probable Project Cost	Dependent on successful credit negotiations. One of the concerns regarding attempting to negotiate a credit change order on this project is the amount of major sub work (electrical, demo, I&C, paving, etc.). Flatiron may be willing to provide a fair credit cost back for their work, but the subs may not -- which could result in the subs filing claims and lawsuits against Flatiron.



# Las Gallinas Valley Sanitary District Secondary Treatment & Recycle Water Treatment Facility Upgrade

## Option 2 – MWHC Addition & Deletion Cost Estimate

RE-BID THE PROJECT	OPTION 2	Comments
<b>\$51,006,378</b> <del>(\$56,000,000)</del>	Base Bid	The November 2017 bid cost spread between Flatiron and Kiewit was \$10M. Assume a bid value for the project of “half way” between the “aggressive” Flatiron bid of \$51M and the “conservative” Kiewit bid of \$61M (i.e. \$56,000,000)
<b>\$11,493,605 (with Contractor OH&amp;P to \$12,642,965 (with Contractor OH&amp;P + 10% Contingency)</b>	Revised Contract Drawing Scope of Work	As of 03/25/18, Aqua is continuing to complete the revised contract documents
<b>\$38.5 - \$39.5M</b> <del>(\$43.5 - \$44.5M)</del>	Probable Project Cost	